

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-190/19044-88-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
19044-88-3

**Code:**  
M

**RTECS:**  
W09350000

**Code:**  
M

**Name:**  
ORYZALIN

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K

**Code:**  
M N/P

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
IN ENCLOSED SPACES, WEAR NIOSH APPROVED RESPIRATOR FOR ORGANIC SOLVENT VAPORS.

**Ventilation:**  
N/K

**Protective Gloves:**  
IMPERMEABLE

**Eye Protection:**  
GOGGLES

**Other Protective Equipment:**  
Equipment PROTECTIVE EQUIPMENT TO AVOID DIRECT CONTACT W/SKIN. PROTECTIVE CLOTHING SUCH AS COVERALLS, A LONG SLEEVED SHIRT.

**Work Hygienic Practices:**  
WASH ALL CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**  
3 EPA REGISTRATION NUMBER: 1471-112.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT): 0.5 ML ( 595 MG/KG)

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
SKIN: DERMATITIS, RASH, ABSORPTION (HARMFUL), SENSITIZATION. EYES: IRRITATION. INGESTION/INHALATION: HARMFUL.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
N/K

**Medical Cond Aggravated By Exposure:**  
ALLERGIES

**First Aid:**  
EYES: FLUSH W/PLENTY OF WATER. SKIN: WASH W/PLENTY OF SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE CPR. INGESTION: DON'T INDUCE VOMITING. IF AVAILABLE, GIVE ACTIVATED CHARCOAL 6-8 HEAPING TEASPOONFULS W/PLENTY OF WATER. DON'T GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
USE ABSORBENT MATERIAL TO CONTAIN LIQUID & DISPOSE AS WASTE. DON'T CONTAMINATE ANY BODY OF WATER. CLEAN UP SMALL SPILLS W/A SUITABLE ABSORBENT MATERIAL. PLACE MATERIAL & DAMAGED UNUSABLE CONTAINERS IN A LANDFILL FOR PESTICIDES TO COMPLY W/ALL REGS.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
TRIPLE RINSE (OR EQUIVALENT). OFFER FOR RECYCLING OR RECONDITIONING, PUNCTURE & DISPOSE OF IN A SANITARY LANDFILL, OR INCINERATION, OR, IF ALLOWED BY STATE & LOCAL AUTHORITIES, BY 2 BURNING. IF BURNED, STAY OUT OF SMOKE. DON'T CONTAMINATE LAND/POND/ETC

**Handling And Storage Precautions:**  
DON'T APPLY DIRECTLY TO WATER OR WETLAND. DON'T CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. COVER OR INCORPORATE SPILLS.

**Other Precautions:**  
AVOID SPRAY MIST & CONTACT W/SKIN OR EYES. DON'T CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE WASTES ARE TOXIC. IMPROPER DISPOSAL OF EXCESS PESTICIDE, SPRAY MIXTURE, OR RINSATE IS A VIOLATION OF FEDERAL LAW.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
>200F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
N/K

**Fire Fighting Procedures:**  
SURFLAN A.S. IS A WATER BASED SUSPENSION AND WILL NOT BURN.

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F/100C

**Melt/Freeze Pt:**

**M.P./F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
23

**Vapor Density:**  
1.178

**Volatile Org Content %:**

**Spec Gravity:**  
1.138-1.239

**VOC Pounds/Gallon:**

**PH:** 5-6.8

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
MISCIBLE

**Appearance and Odor:**  
BRIGHT ORANGE OPAQUE LIQUID W/SLIGHT AROMATIC ODOR.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
IF PRODUCT IS ALLOWED TO DRY, IT WILL EMIT TOXIC VAPORS AS IT BURNS.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P

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